CONTROL PANEL BUILDERS

Power it. Control it. Prove it.

These product lines serve the control panel, from the incoming power to the last field wire. **The lines cover protection and switching, 24 V control power, the logic and the network, and the terminals, marking and cable entry.** The manufacturers Dynamic Measurement and Control Solutions represents, on a line card built for the way you design, with an application engineer on the phone before the spec locks.

Power it

Energy in, converted, moved. And the switching and protection that keeps it safe.



PREMIUM PSU

A short on one branch, one channel off

A short at the far end of a 24 V run may not trip a thermal-magnetic breaker fast. The EFC electronic fuse protects **four 24 V channels of up to 5 A each** and switches off only the channel at fault. A Premium supply with the battery charger and changeover built in holds the 24 V through a mains dip.



SCHALTBAU

DC that has to be broken under load

A DC bus never crosses zero, so the contactor has to stretch and cool the arc itself. Schaltbau DC contactors use permanent-magnet arc blowout in an open chamber. The C310 and C320 are **UL Recognized Components to UL 60947-4-1**. We confirm the rating for your voltage and current before it goes on the drawing.



CELDUC

Heater zones with no contact to wear

A temperature loop can switch its output several times a minute for years. A solid state relay has no contact to erode. Celduc covers **4 to 125 A, single and three phase**, with a 22.5 mm DIN-rail family and versions that arrive on their own heatsink.



WALTHER

Wired on your bench, plugged in on the floor

Procon rectangular connectors carry power, signal and Ethernet out of the panel through one hood, **3 to 288 pins**, with screw, crimp or push-in inserts. You wire and test at your bench. On the customer's floor the inserts mate, the hood snaps and the panel is connected.

Control it

Commanded, coordinated. The protection on each branch, and the logic behind the door.



IMO

Branch protection the inspector expects

IMO's UB10 range is **UL 489 miniature circuit breakers from 0.5 to 63 A**, the branch-circuit protection a panel inspector expects. Motor circuit breakers, RCBOs and surge protection come from the same catalog. Contactors with a 3 W sealed coil run cool in a full panel.



IMO

Logic without a license on every job

iSmart smart relays and XGB PLCs come with **license-free programming**, so the software is not a cost on every small panel job. Jaguar drives, and iView HMIs for the door, come from the same maker. Same-day dispatch from US stock, up to 5-year warranty on electromechanical components.

Prove it

Proven, not assumed. The data leaves on one cable, and every feeder is metered from the day it runs.



BRAINBOXES

One network out of a full panel

The SW-7617 puts **sixteen 10/100 ports and an SFP slot** on one DIN-rail footprint, so four more drops do not need a second switch. Remote I/O and Ethernet-to-serial units sit beside it and run from any DC supply up to 30 V already in the panel. One uplink leaves the enclosure.



SATEC

One meter for every feeder in the panel

BFM-II meters **up to 54 single-phase or 18 three-phase circuits** from one DIN-rail unit and reports current unbalance on each three-phase circuit. A motor control panel ships with the metering for every motor already in it.

Foundation

Looks simple. Fails first. Where the schematic meets the panel.



CONTA-CLIP

Push-in distribution, no torque check

One PPVK feed-in splits the 24 V or the 0 V across a row of push-in points, with no torque check on each one. The blocks are now UL approved. Orange, red, blue and white pushers tell the circuits apart.



CONTA-CLIP

Marking printed from the drawing

TTPCardMAX prints markers in the shop, **up to 5,500 an hour**. Marker cards fit most common DIN-rail terminal block families, so the number on the block is the number on the drawing.



CONTA-CLIP

Pre-terminated cables through a sealed wall

KDS split cable entry: the cable goes through the frame with its connector on, the wave-cut seal closes around it, and the frame holds IP66. UL Recognized, one frame in place of a row of glands, seals swapped from outside.



WISKA

Glands that land the shield

ESKV polyamide glands run **M12 to M63 and NPT 1/4 to 2 inch**. EMC versions land the cable shield at the enclosure wall. Junction boxes and the Brace conduit system come from the same maker.

One part holds the panel's rating

A panel's short-circuit current rating is the lowest rating found across it. An unmarked terminal block gets a low default and can hold the whole panel there. Ask the site for its available fault current before the parts are picked.

Heat is part of the part number

Figure roughly 1 W or more per amp through a solid state relay. Each datasheet gives the figure and the heatsink it needs. If the panel has no room left for the heat, an electromechanical contactor may be the better part, and we carry those too.

Challenge us

After 30-plus years in the industrial hardware space we know these products, on our line card and off it. Bring us your most stringent or most mundane requirement. If one of our product lines fits, we give you a direct connection to the manufacturer, the right engineer or department, and we stay on your request until it is answered. If it does not, we know someone who will.

Talk it through at the design stage

If any part of this card raises a question mid-design, whether that is the branch protection, the control power or the cable entry, that question is exactly what we are for. A short technical conversation before the spec locks usually surfaces the options a datasheet does not.

Jeff Weseloh, Application Engineer
Dynamic Measurement and Control Solutions
(408) 780-9190 · jeff@dynamicrep.com ·
www.dynamicrep.com/control-panel-builders

THE MANUFACTURERS ON THIS CARD

WALTHER ELECTRIC · SCHALTBAU · Premium · celduc · IMO · SATEC · brainboxes · CONTACLIP · WISKA